

April 7, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2002 Third Quarter Water Monitoring, Energy West Mining Company, Deer Creek Mine, C/015/018-WQ02-3

- 1. Were data submitted for all of the MRP required sites?** YES ☒ NO ☐
Identify sites not monitored and reason why, if known:

Flow at HCC01 is measured daily by Utah Power and reported by PacifiCorp in the Annual Report.

- 2. On what date does the MRP require a five-year resampling of baseline water data.**
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling Due Date

Renewal submittal due 10/07/00, renewal due 2/07/01. Baseline analyses were performed in 1996 and 2001 and will be repeated every 5 years, i.e., next baseline analyses will be in 2006.

- 3. Were all required parameters reported for each site?** YES ☐ NO ☒
Comments, including identity of monitoring site:

RCF3: DO and oil and grease missing;

HCC02: DO and oil and grease missing;

HCC04: DO and oil and grease missing;

UPDES UT0023604-002 – September: field pH and field conductivity missing;

4. Were irregularities found in the data? YES [X] NO []

Comments, including identity of monitoring site:

HCC04: field pH (n = 88) was outside the two standard deviation range;

MAIN N MAIN E: total hardness (n = 38) was outside the two standard deviation range;

RCW4: field conductivity (n = 75) was outside the two standard deviation range;

Sheba Spring: water temperature (n = 33) and lab pH (n = 33; not a required parameter) were outside the two standard deviation range;

UPDES UT0023604-001 - July: field pH (n = 141) was outside the two standard deviation range;

UPDES UT0023604-002 - July: field pH (n = 165) was outside the two standard deviation range;

DCP-1: elevation has been reported as depth.

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []
2nd month, YES [X] NO []
3rd month, YES [X] NO []

Identify sites and months not monitored:

6. Were all required DMR parameters reported? YES [X] NO []

Comments, including identity of monitoring site:

7. Were irregularities found in the DMR data? YES [] NO [X]

Comments, including identity of monitoring site:

8. Based on your review, what further actions, if any, do you recommend?

The Permittee needs to check the calibration of the pH meter;

The Permittee needs to provide:

- DO and oil and grease values for HCC02, HCC04, and RCF3; field pH and
- field conductivity for UPDES UT0023604-002 for September;

Water elevation at DCP-1 needs to be entered as “water elevation”, not “depth”;

DMR TDS Quarter Average, a parameter required for UT0023604-002, needs to be added to the APPX database.

Numerous values were outside the two standard deviation range. None of the values are extreme. Recommended action is to watch for trends.